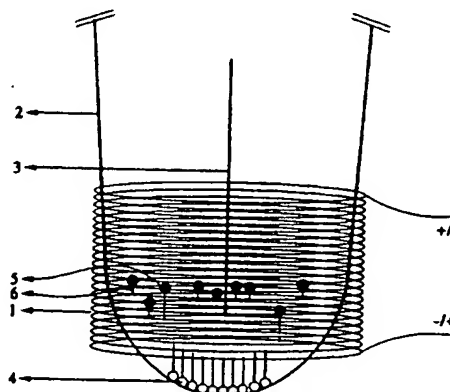
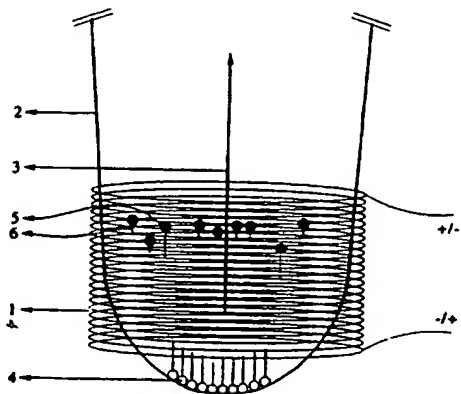


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## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<b>(51) International Patent Classification 6 :</b> <b>C12Q 1/68, B03C 1/28, B01J 19/00</b>	<b>A3</b>	<b>(11) International Publication Number:</b> <b>WO 96/17959</b> <b>(43) International Publication Date:</b> 13 June 1996 (13.06.96)
<b>(21) International Application Number:</b> PCT/US95/16256 <b>(22) International Filing Date:</b> 8 December 1995 (08.12.95) <b>(30) Priority Data:</b> 08/353,573 9 December 1994 (09.12.94) US <b>(71) Applicant:</b> GAMERA BIOSCIENCE CORPORATION [US/US]; 30 Memorial Drive, Cambridge, MA 02142 (US). <b>(72) Inventors:</b> MIAN, Alec; 137 Magazine Street, Cambridge, MA 03139 (US). KIEFFER-HIGGINS, Stephen, G.; 30 Beaumont Street, Dorchester, MA 02124 (US). <b>(74) Agent:</b> NOONAN, Kevin, E.; Banner & Allegretti, Ltd., Ten South Wacker Drive, Chicago, IL 60606 (US).		<b>(81) Designated States:</b> AL, AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT, UA, UG, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG), ARIPO patent (KE, LS, MW, SD, SZ, UG). <b>Published</b> <i>With international search report.</i> <b>(88) Date of publication of the international search report:</b> 29 August 1996 (29.08.96)

**(54) Title:** AN APPARATUS FOR PERFORMING MAGNETIC CYCLE REACTION**(57) Abstract**

The invention provides an apparatus for performing a process for amplification of specific nucleic acid sequences based upon the separation of nucleic acid strands by an electromagnetic field. This means of separation allows the use of mesophilic polymerases in the amplification process, thereby increasing the speed and fidelity of the amplification process, as well as the size of target nucleic acid that can be amplified.

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 95/16256

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 6 C12Q1/68 B03C1/28 B01J19/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 6 C12Q B03C B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO,A,94 29484 (IMAGEN INCORP) 22 December 1994 cited in the application see the whole document ---	2-4
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A	WO,A,90 14891 (DYNAL A.S.) 13 December 1990 see figure 1 ---	1
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Date of the actual completion of the international search

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International Application No  
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Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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